

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| S1    | 7    | "6151400"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO | OR               | OFF     | 2007/03/17<br>19:10 |
| S2    | 17   | ("4052678"  <br>"4185168"  <br>"4405831"  <br>"4630304"  <br>"4718099"  <br>"4887299"  <br>"4996712"  <br>"5144675"  <br>"5329243"  <br>"5550923"  <br>"5701352").PN. OR<br>("6151400").URPN. | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>19:10 |
| S3    | 4    | S2 and interval   | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>19:11 |
| S4    | 5    | S2 and sample   | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>19:11 |
| S5    | 0    | S2 and integrator   | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>19:12 |
| S6    | 14   | S2 and wave\$4  | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/09/18<br>11:22 |
| S7    | 9    | S2 and difference   | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>20:17 |
| S8    | 275  | 381/317   | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>20:17 |
| S9    | 127  | S8 and difference   | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>20:17 |
| S10   | 32   | S8 and difference and<br>discrete   | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/17<br>20:18 |
| S11   | 8    | ("5016280"  <br>"5402496"  <br>"5500902"  <br>"5719580"  <br>"6078612"  <br>"6173058"  <br>"6219427"  <br>"6480610").PN.  | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/18<br>15:25 |
| S12   | 1    | S11 and discrete  | US-PGPUB;<br>USPAT; USOCR                    | OR               | OFF     | 2007/03/18<br>15:24 |

|     |     |   |                           |    |     |                     |
|-----|-----|---|---------------------------|----|-----|---------------------|
| S13 | 2   | S11 and hold  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/18<br>15:26 |
| S14 | 67  | ("3818149"  <br>"4025721"  <br>"4038536"  <br>"4053846"  <br>"4099035"  <br>"4118604"  <br>"4185168"  <br>"4186384"  <br>"4187413"  <br>"4188667"  <br>"4232192"  <br>"4243959"  <br>"4417317"  <br>"4425481"  <br>"4449237"  <br>"4471171"  <br>"4490841"  <br>"4493101"  <br>"4525856"  <br>"4539690"  <br>"4543453"  <br>"4548082"  <br>"4621172"  <br>"4629829"  <br>"4637402"  <br>"4658426"  <br>"4707824"  <br>"4731850"  <br>"4752903"  <br>"4769808"  <br>"4783818").PN. OR<br>("5016280").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/18<br>16:11 |
| S15 | 7   | S14 and (amplifier<br>amp) same difference  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/18<br>16:14 |
| S16 | 3   | S14 and (amplifier<br>amp) same difference<br>and reference near3<br>voltage  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/18<br>16:14 |
| S17 | 0   | S14 and (amplifier<br>amp) same difference<br>same reference near3<br>voltage   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/18<br>16:14 |
| S18 | 107 | "381"/\$ and (amplifier<br>amp) same difference<br>same reference near3<br>voltage  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/18<br>16:15 |
| S19 | 6   | "381"/\$ and (amplifier<br>amp) same difference<br>same reference near3<br>voltage and hearing<br>near4 aid   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/18<br>16:15 |

|     |        |  |   |    |     |                     |
|-----|--------|--|---|----|-----|---------------------|
| S20 | 1      | "20060089561"  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/09/18<br>12:37 |
| S21 | 22     | "5999856"  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/09/18<br>12:37 |
| S22 | 28     | ("4615007"  <br>"4953112"  <br>"5105822"  <br>"5282475"  <br>"5282858"  <br>"5522386"  <br>"5651371"  <br>"5682882").PN. OR<br>("5999856").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/09/18<br>15:59 |
| S23 | 190278 | S22 amd reference<br>near4 voltage   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/09/18<br>15:59 |
| S24 | 1      | S22 and reference<br>near4 voltage   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/09/18<br>16:03 |
| S25 | 7      | S22 and interval   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/09/18<br>16:03 |
| S26 | 29     | "5758651"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO                            | OR | OFF | 2008/02/27<br>15:27 |
| S27 | 22     | "5999856"  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/02/27<br>15:29 |
| S28 | 25     | "5999856"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/05<br>13:05 |
| S29 | 30     | ("4615007"  <br>"4953112"  <br>"5105822"  <br>"5282475"  <br>"5282858"  <br>"5522386"  <br>"5651371"  <br>"5682882").PN. OR<br>("5999856").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:20 |
| S30 | 1      | S29 and reference<br>near3 voltage   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:21 |
| S31 | 582    | auditory and reference<br>near3 voltage  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:21 |
| S32 | 303    | hearing near3 aid and<br>reference near3<br>voltage  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:24 |
| S33 | 0      | hearing near3 aid and<br>reference near3<br>voltage same discrete<br>near3 value\$2  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:24 |

|     |     |  |   |    |     |                     |
|-----|-----|--|---|----|-----|---------------------|
| S34 | 30  | ("4615007"  <br>"4953112"  <br>"5105822"  <br>"5282475"  <br>"5282858"  <br>"5522386"  <br>"5651371"  <br>"5682882").PN. OR<br>("5999856").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:31 |
| S35 | 28  | S34 and differen\$4  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:32 |
| S36 | 3   | S34 and (difference<br>differential) near4<br>value  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/05<br>15:32 |
| S37 | 16  | 607/37 and threshold<br>near4 value  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/05<br>15:35 |
| S38 | 7   | 607/37 and threshold<br>near4 values   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/05<br>15:36 |
| S39 | 162 | hearing near4 aid\$2<br>and threshold near4<br>values and (difference<br>differential)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/05<br>15:37 |
| S40 | 21  | hearing near4 aid\$2<br>and threshold near4<br>values same<br>(difference differential)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/05<br>15:38 |
| S42 | 23  | "5999856"  | USPAT   | OR | OFF | 2008/08/20<br>13:30 |
| S43 | 30  | ("4615007"  <br>"4953112"  <br>"5105822"  <br>"5282475"  <br>"5282858"  <br>"5522386"  <br>"5651371"  <br>"5682882").PN. OR<br>("5999856").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/20<br>13:38 |
| S44 | 13  | S43 and difference   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/20<br>13:38 |

|     |    |   |   |    |     |                     |
|-----|----|---|---|----|-----|---------------------|
| S45 | 0  | S43 and difference and reference near4 voltage  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/20<br>13:44 |
| S46 | 12 | S43 and difference and reference  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/20<br>13:44 |
| S47 | 23 | ("4275744"  <br>"4321427"  <br>"4462411"  <br>"4556069"  <br>"4561449"  <br>"4901353"  <br>"4913160"  <br>"4953112"  <br>"5023783"  <br>"5105822"  <br>"5230344"  <br>"5267571"  <br>"5282475"  <br>"5601091"  <br>"5697379"  <br>"5699809"  <br>"5825894"  <br>"5954667"  <br>"5999856"  <br>"6071246"  <br>"6110126"  <br>"6331164"  <br>"6524258").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/20<br>13:48 |
| S48 | 32 | "5758651"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/26<br>14:26 |
| S49 | 3  | "6892092"   | USPAT   | OR | OFF | 2009/04/26<br>21:04 |
| S50 | 2  | "20050113127"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/04/26<br>23:35 |
| S51 | 2  | "US 20060089561"  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR | OFF | 2009/12/02<br>19:24 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
|       |      |              |     |                  |         |            |

|     |     |   |             |    |     |                  |
|-----|-----|---|-------------|----|-----|------------------|
| L1  | 0   | (neural and response and auditory and nerve and sample\$2 and difference\$2).clm. | USPAT; UPAD | OR | OFF | 2009/12/05 03:19 |
| L2  | 0   | (neural and response and auditory and sample\$2 and difference\$2).clm.           | USPAT; UPAD | OR | OFF | 2009/12/05 03:19 |
| L3  | 0   | (neural and auditory and sample\$2 and difference\$2).clm.                        | USPAT; UPAD | OR | OFF | 2009/12/05 03:19 |
| L4  | 7   | (neural and auditory and sample\$2).clm.  | USPAT; UPAD | OR | OFF | 2009/12/05 03:19 |
| L5  | 61  | 455/253   | USPAT; UPAD | OR | OFF | 2009/12/05 03:20 |
| L6  | 0   | 455/253 and neural  | USPAT; UPAD | OR | OFF | 2009/12/05 03:20 |
| L7  | 1   | "7429943"   | USPAT; UPAD | OR | OFF | 2009/12/05 03:21 |
| L8  | 3   | "7346397"   | USPAT; UPAD | OR | OFF | 2009/12/05 03:22 |
| L9  | 0   | douglus near3 suthers   | USPAT; UPAD | OR | OFF | 2009/12/05 03:23 |
| L10 | 55  | doug\$4 near3 suthers   | USPAT; UPAD | OR | OFF | 2009/12/05 03:23 |
| L11 | 988 | 381/312   | USPAT; UPAD | OR | OFF | 2009/12/05 03:25 |
| L12 | 183 | 381/312 and sample  | USPAT; UPAD | OR | OFF | 2009/12/05 03:25 |
| L13 | 24  | 381/312 and sample same difference  | USPAT; UPAD | OR | OFF | 2009/12/05 03:25 |
| L14 | 2   | 381/312 and sample same difference and cochlear                                   | USPAT; UPAD | OR | OFF | 2009/12/05 03:26 |

12/ 5/ 2009 3:44:10 AM

C:\ Documents and Settings\ rchan\ My Documents\ EAST\ Workspaces\ 10526492.w sp